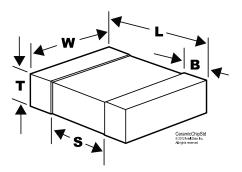
## **KEMET Part Number: C0603C683K5RACAUTO**



Capacitor, Ceramic, SMD, MLCC, Temperature Stable, Automotive Grade, 0.068 uF, +/-10% Tol, 50 V, X7R, 0603 (1608 metric)



General Information		
Supplier:	KEMET	
Application:	Automotive (AEC-Q200 Qualified)	
Chip Size:	0603 (1608 metric)	
Temperature Coefficient:	X7R	
Part Type Description:	SMD, MLCC, Temperature Stable, Automotive Grade	
Termination Type:	Tin (Sn)	
Marked:	No	
RoHS:	Yes	

Dimensions (mm)		
Symbol	Dimension	Tolerance
L	1.6	+/-0.15
W	0.8	+/-0.15
Т	0.8	+/-0.07
В	0.35	+/-0.15
S	0.7	MIN

Packaging Specifications		
Package Kind:	T&R	
Package Size:	7 in/180 mm	
Package Type:	Paper Tape	
Package Quantity:	4000	

Specifications	
Capacitance:	0.068 uF
Voltage:	50 V
Tolerance:	+/-10%
Temperature Range:	-55/+125C
Dissipation Factor:	2.5%
Failure Rate:	N/A
Aging Rate:	3% loss/decade hour
Insulation Resistance:	7.35 GOhm
Dielectric Strength:	125 V
Miscellaneous:	Note: Referee time for X7R dielectric for this part number is 1000 hours

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